

NAVAL EXPEDITIONARY WARFARE TRAINING



Introduction to Information Operations

W100

Introduction

World War I
World War II
Korean War
Vietnam

Iran Hostage

Grisina "Urgent
Panya" Just Cause

Iraq Desert Shield
Desert Storm

Bangladesh Sea Angel

Somalia Restore Ho

Haiti Uphold Demo

Kosovo Allied Force

P3 Incident W China

Operation Enduring
Freedom

Operation Iraqi Freedom





Purpose

- **Definitions/Terminology**
- **Reasons for Development**
- **Capabilities and Related Activities**
- **Subdivisions**
- **Staff Responsibilities**
- **Staff Planning**



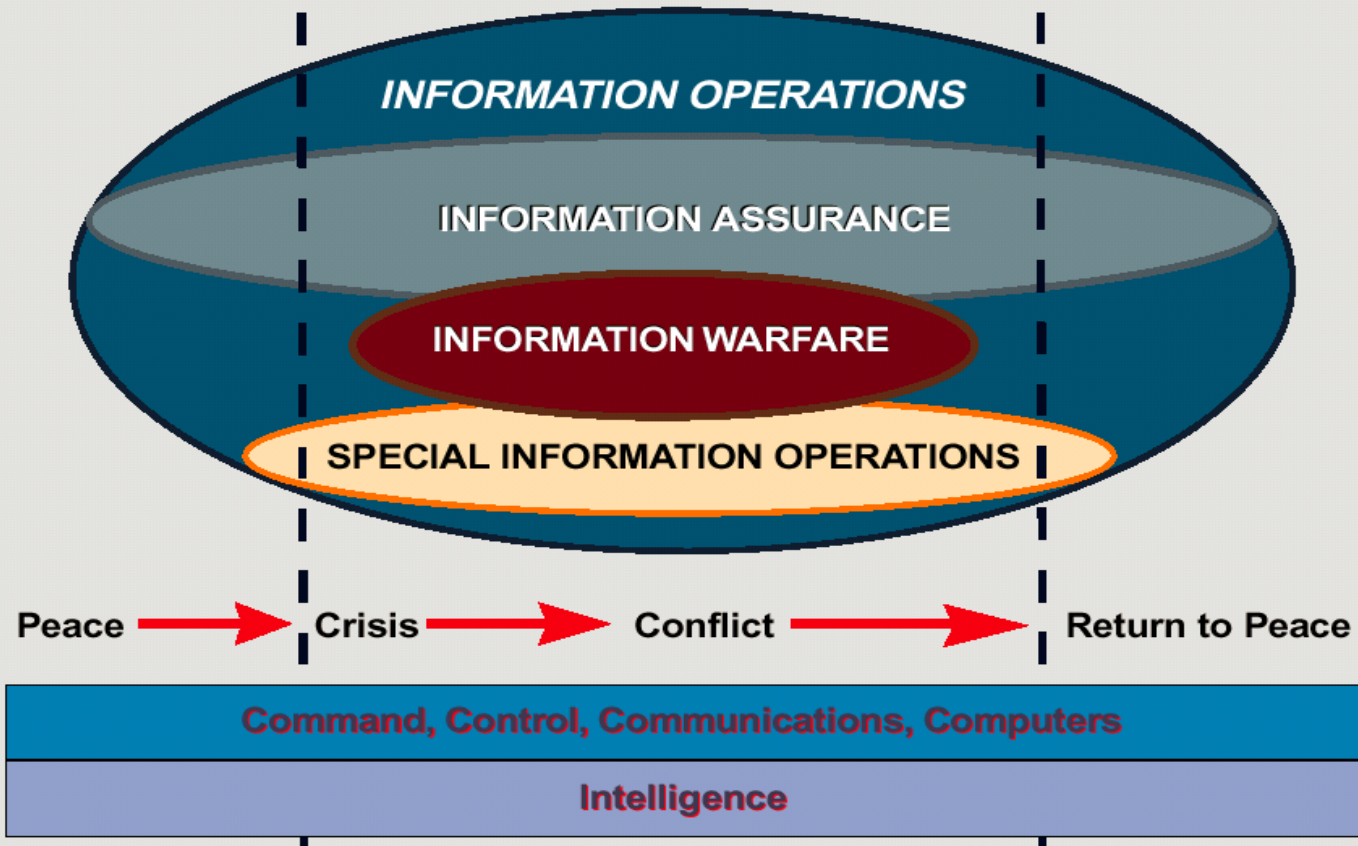
References

- JP 1-02 – DOD Dictionary of Military & Associated Terms
- JP 3-13 – Joint Doctrine for Information Operations
- Jp 3-13.1 – Joint Doctrine for Command & Control Warfare (C2W)
- MCWP 3-36 Information Operations
- (Coordinating Draft)



IO Across Time

INFORMATION OPERATIONS RELATIONSHIPS ACROSS TIME





IO is A Strategy

- National Strategy
- Military Strategy





National Strategy

- **The Art & Science of Developing & Using Political, Economic, Psychological & Military Forces as Necessary During Peace & War, to Afford the Maximum Support to Policies, in Order to Increase the Probabilities & Favorable Consequences of Victory and to Lesson the Chances of Defeat.**
- **(JP 1-02)**



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SHOWDOWN: IRAQ

SPECIAL REPORT

U.S. tests massive bomb

Designed for use in 'psychological operations'

From Barbara Starr
CNN Washington Bureau
Tuesday, March 11, 2003 Posted: 10:33 PM EST (0333 GMT)

WASHINGTON (CNN) -- The U.S. Air Force Tuesday tested the biggest conventional bomb in the military's arsenal, dropping the new 21,000-pound device on a test site at Eglin Air Force Base, Florida, U.S. officials said.



DEFENSE DEPARTMENT VIDEO

The Pentagon hopes the test will pave the way for use of the bomb -- should there be a war in Iraq -- against critical targets on the surface and underground.

The new Massive Ordnance Air Blast, or MOAB, was dropped from a military transport plane over a test site at

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Military Strategy

- **The Art & Science of Employing the Armed Forces of a Nation to Secure the Objectives of National Policy by the Application of Force or the Threat of Force.**
- **(JP 1-02)**



The Secret War - Microsoft Internet Explorer

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Ilkka Uimonen / Magnum for Newsweek

A crater in Baghdad's Mansour district, after U.S. forces bombed a house where Saddam was spotted

The Secret War

It's been the best-covered war in history. But the key to success was what we didn't see: Special Forces, psyop, the air war—and the utterly inept Iraqi Army

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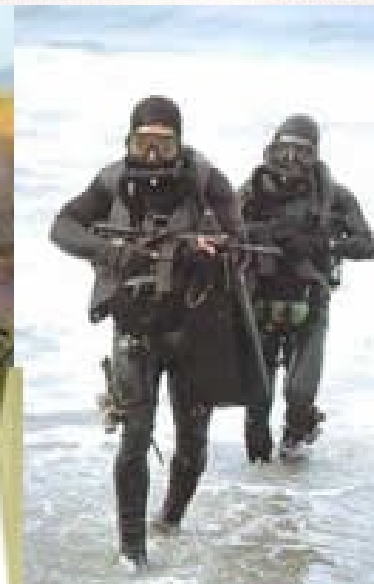
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Intelligence

- **The Product Resulting From the Collection,**
- **Processing, Integration, Analysis,**
- **Evaluation & Interpretation of Available**
- **Information Concerning Foreign Countries**
- **(JP 1-02)**
- **Combat Intelligence - the Knowledge of the Enemy, Weather & Terrain Features Required by a Commander in the Planning & Conduct of Combat Operations**



Do You Need Intelligence?



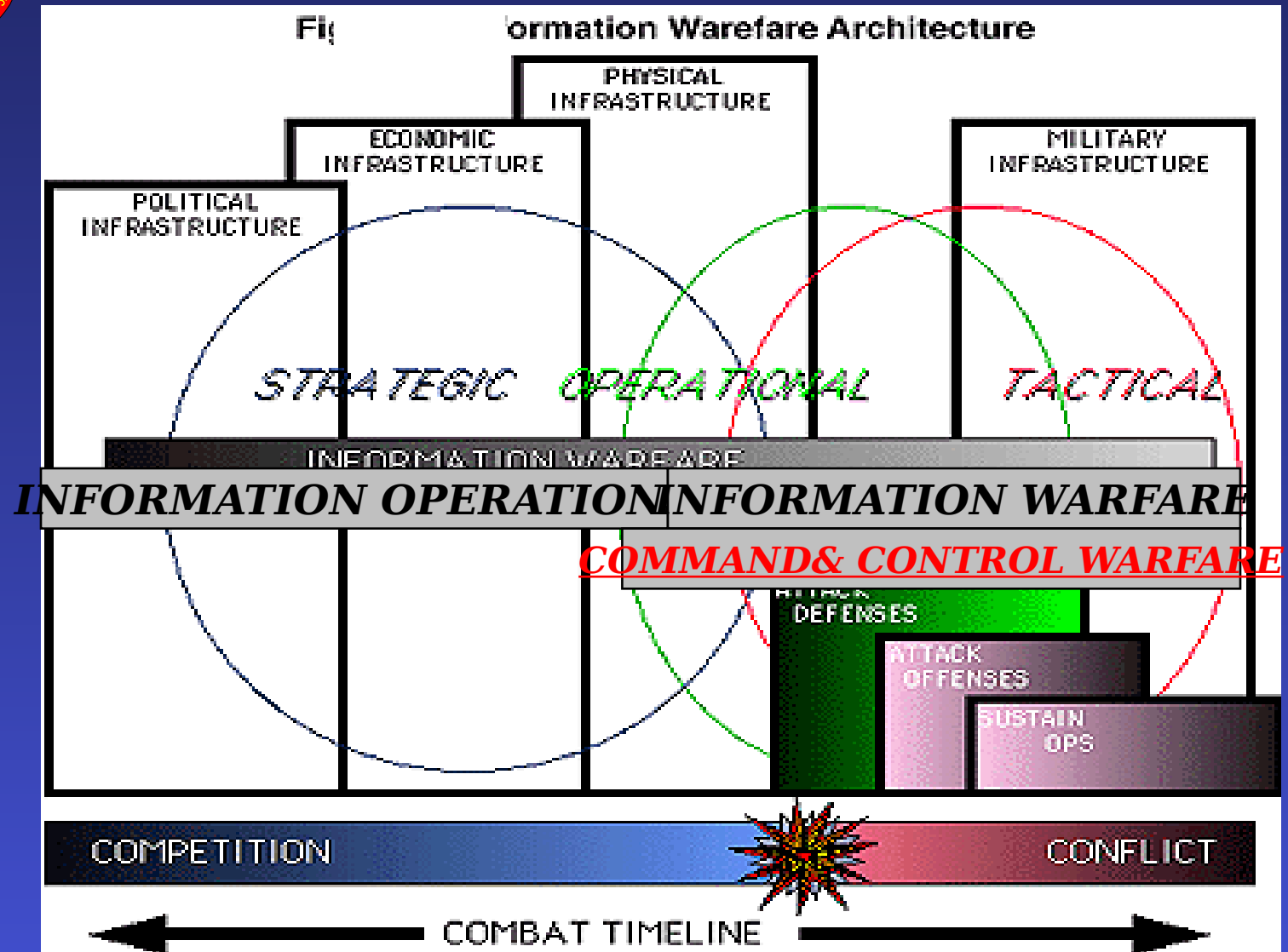
Intelligence



- **Helps Commanders Identify an Enemy's Center of Gravity and Critical Vulnerabilities, so They can Bring Maximum Force to Bear on Key Enemy Weaknesses.**



IO / IW RELATIONSHIPS



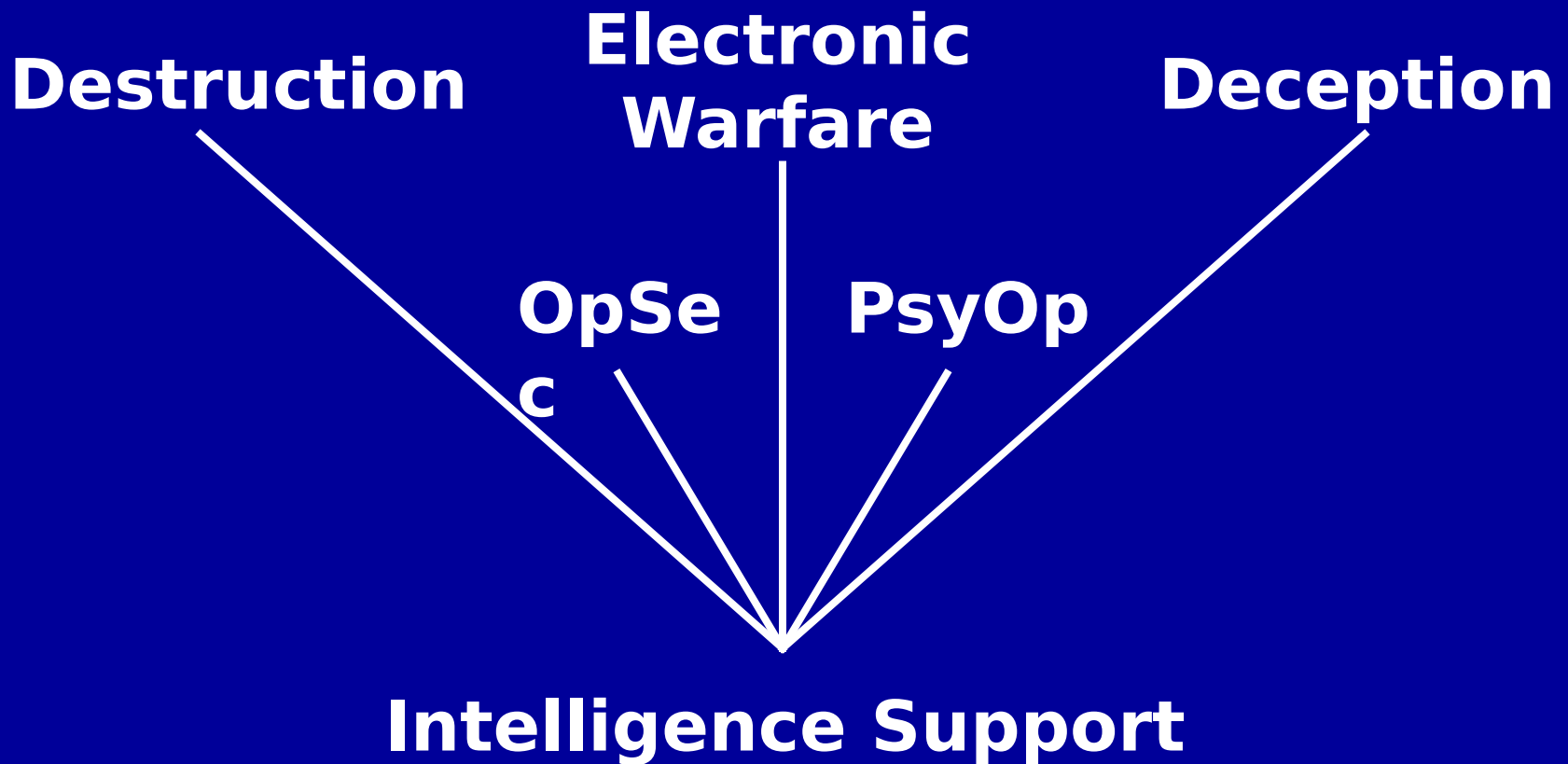


Command & Control Warfare (C2W)

- **The Integrated use of Destruction, Operations Security, Psychological Operations, Electronic Warfare & Deception, Supported by Intelligence, to Deny Information to Influence, Degrade, or Destroy Enemy C2 Capabilities and to Protect Friendly C2 Against Such Actions.**
- **(JP 1-02)**



Command & Control Warfare (C2W)





Information Warfare

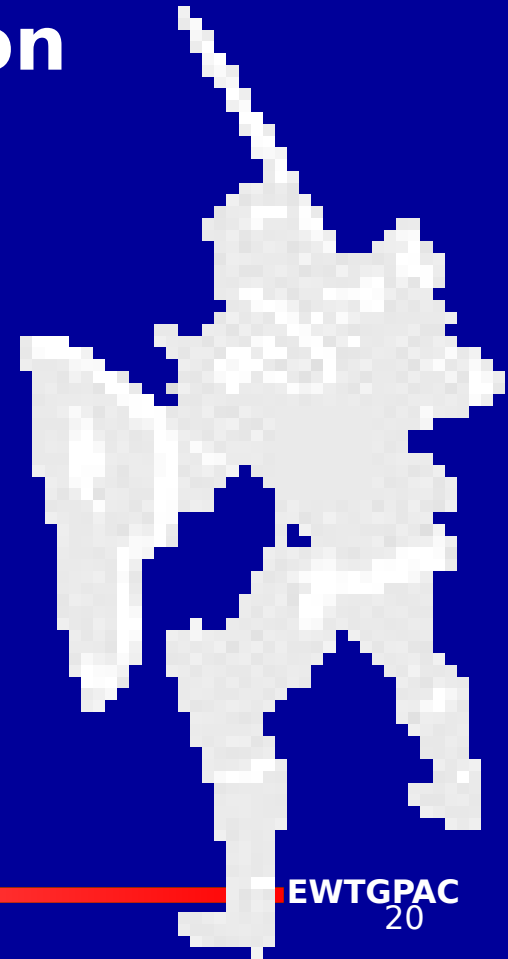
“Information operations conducted during time of crisis or conflict to achieve or promote specific objectives over a specific adversary or adversaries.



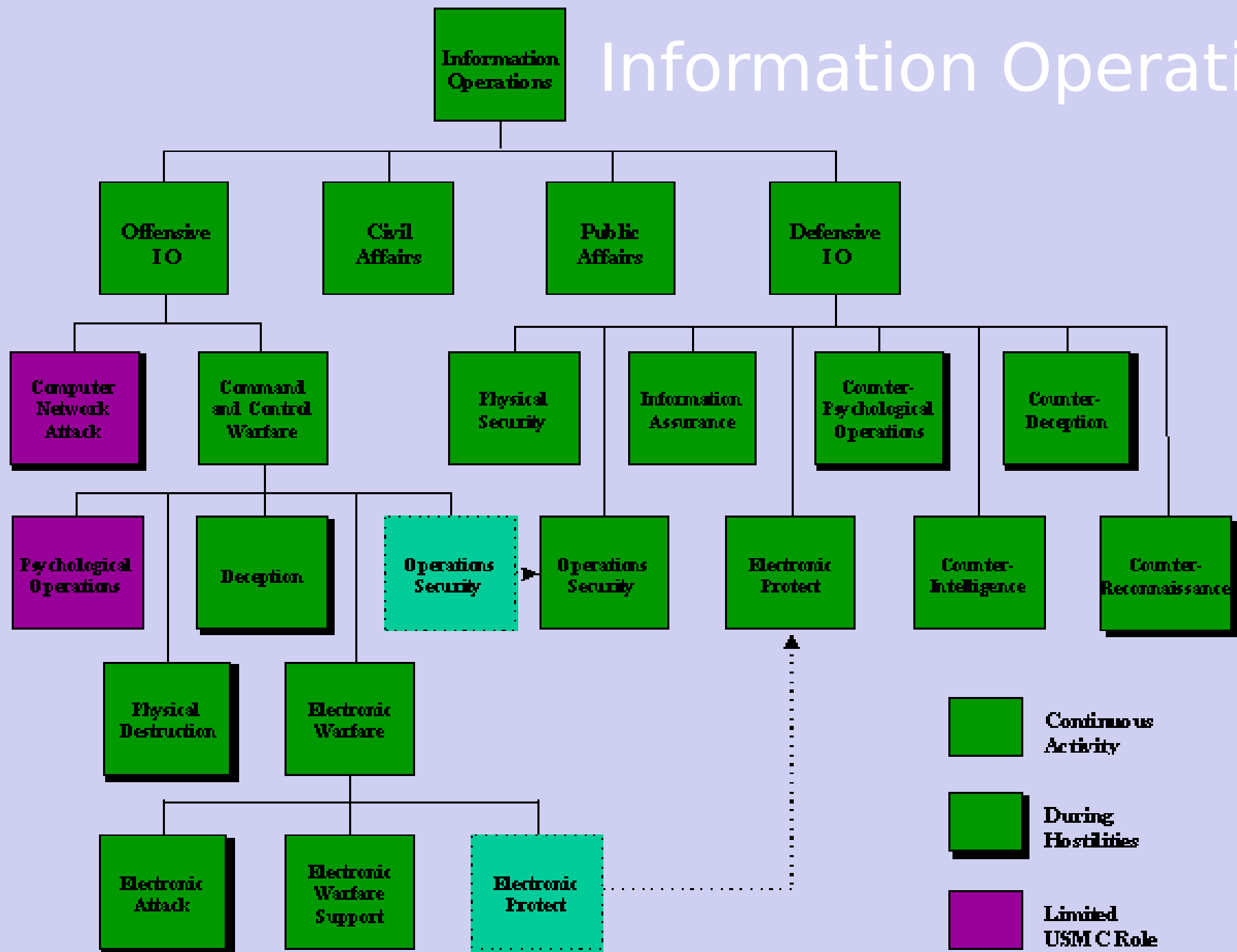


Information Operations

- IO Involve Actions Taken to Affect Enemy Information & Information Systems While Defending One's Own Information & Information Systems



Information Operations





Information Operations

OFFENSIVE IO - Involve the Integrated Use of Assigned & Supporting Capabilities & Activities, Mutually Supported by Intelligence, to Affect Enemy Decision Makers & Achieve or Promote Specific Objectives

Opsec

Psyop

Electronic Warfare

Deception

Special IO

Physical
Attack/destruction

Computer
Network
Attack



Information Operations

DEFENSIVE IO - Integrate & Coordinate Policies, Procedures, Operations, Personnel & Technology to Protect & Defend Information & Information Systems

Counter
Intelligence

Computer
Network

Sio

Counter
Propaganda

Counter
Deception

Physical
Security

Information
Assurance



Capabilities

- Provide Resources to
 - Obtain, Report, Communicate, Process, Analyze, Display & Disseminate Info to Support Command Planning & Decision Making
 - ▮ Formulate Alternate Courses of Action
 - ▮ Make Decisions
 - ▮ Communicate Orders to Subordinates
 - ▮ Receive the Results of Actions & Status of Forces

CORE CAPABILITIES

Military

Computer Network Operations

PSYOP

RELATED
Operational Security
Public Affairs

SUPPORTING

Information

Assurance Civil-Military Operations

Physical Security

Physical Attack

INTELLIGENCE SUPPORT

Counterintelligence

Intent: Employ the core capabilities, closely integrated with related and supporting activities, to achieve the joint force commander's campaign objectives



IO/IW FUNDAMENTALS

- USES INFORMATION AND DESTRUCTION TO SHAPE THE BATTLESPACE BY:
 - ESTABLISHING C2 SUPERIORITY
 - FACILITATING EFFORTS TO ACHIEVE SEA/AIR/LAND SUPERIORITY
 - ENTERING AND DISRUPTING THE ENEMY'S DECISION CYCLE
 - GAINING AND MAINTAINING THE INITIATIVE
 - PROVIDING NON-LETHAL OPTIONS IN OOTW

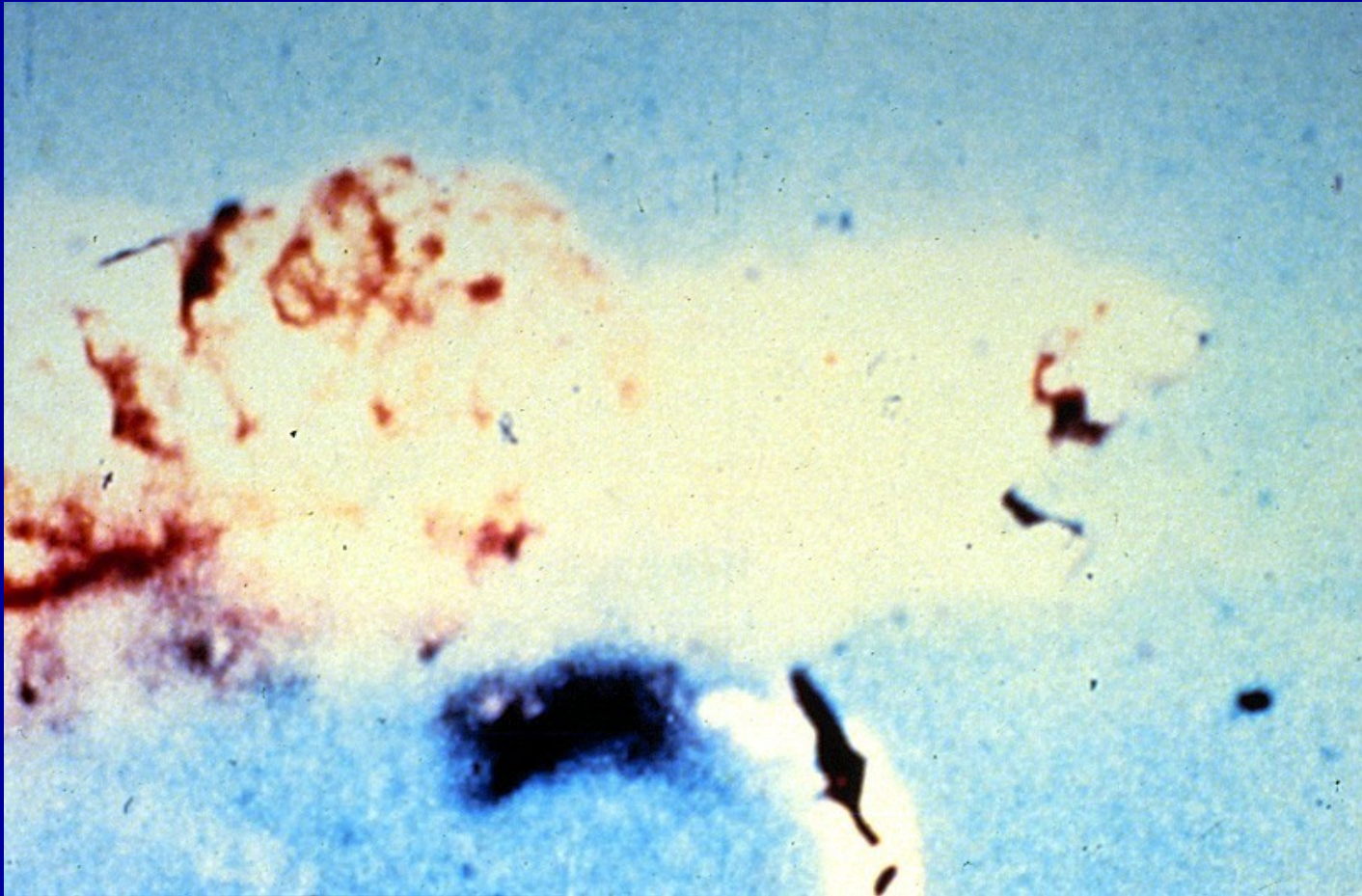


IO/IW GOALS

- SLOW ADVERSARY'S TEMPO
- DISRUPT ADVERSARY'S PLANS AND OPS
- DISRUPT ADVERSARY'S ABILITY TO DIRECT FORCES
- DEGRADE ADVERSARY'S DECISION CYCLE
- DEFEND FRIENDLY C2 PROCESS AND SYSTEMS



Destruction





General George Patton

- *“There Is Only One Tactical Principal Which Is Not Subject to Change. It Is to Use the Means at Hand to Inflict the Maximum Amount of Wounds, Death & Destruction on the Enemy in the Minimum Amount of Time.”*



Destruction

A large, fiery nuclear explosion with a massive mushroom cloud is the background of the slide. The sky is a deep blue, and the ground at the bottom is dark and smoky. A small, bright yellow-orange fireball is visible at the base of the main explosion cloud.

- **The Physical Means to**
- **Destroy, Degrade, Disrupt**
- **Enemy C2 Nodes & Systems**
 - Control Elements
 - ▮ Communication Facilities
 - ▮ Decision Making Process
 - ▮ Intelligence Capabilities



Electronic Warfare

- **“He who Controls the Electromagnetic Spectrum Controls the Outcome of any Conflict in Modern Warfare or Global Politics”**

- S.G. Gorshkov
Adm USSR



Electronic Warfare

- **Electronic Attack (EA)**

Electronic Protect (EP)

**Electronic Warfare Support
(EWS)**



Deception

- **“Though Fraud and Other Activities be Detestable, in Management of War it is Laudable and Glorious, and He who Overcomes the Enemy by Fraud is Much to be Praised as He who Does so by Force”**





Deception

- **Actions Taken to Mislead the Enemy, Causing Them to Derive and Accept Friendlys' Intentions. Their Reaction Contributes to Friendly Objectives**
- **HAS TO BE INTEGRATED WITH Destruction, OPSEC, PSYOP & EW**



Deception

- **Deception Planners Must Consider the Following Preliminary Steps:**

- Objective

- Target

- Story

- Time



Operations Security

- The Process of **Denying** Enemy **Information** About Friendly Capabilities and Intentions by Identifying, Controlling and **Protecting Indicators** Associated With Planning and Conducting Military Operations



Opsec Integration

- **You Don't Want the Enemy to Know When and Where**
 - ▮ **DESTRUCTION** - You're Trying to Target Them for Destruction
 - ▮ **PSYOP** - You're Trying to Influence Their Behavior
 - ▮ **EW** - You're Trying to Intercept Their Comms
 - ▮ **DECEPTION** - You're Trying to Deceive Them



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WAR IN IRAQ

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Forces: U.S & Coalition/Deployments

War Tracker

Forces

U.S. & Coalition

Iraq

Weapons

Maps

On the Scene

Sights & Sounds

Impact

Heroes of War

The New Iraq

U.S. military deployment

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Forces: U.S. & Coalition/Army

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War Tracker

- Forces
 - U.S. & Coalition**
 - Iraq
 - Weapons
- Maps
- On the Scene
- Sights & Sounds
- Impact
- Heroes of War
- The New Iraq

Camp Doha

Location: Ad-Dawhah, west of Kuwait City.

Personnel: Estimated 9,000 U.S. military.

Units: This base is the regional headquarters for the U.S. 3rd Army and the Army component of U.S. Central Command and the Coalition/Joint Task Force-Kuwait. In addition, the 201st Military Intelligence Battalion, 54th Signal Battalion and 831st Transportation Battalion are based here, according to the military research group GlobalSecurity.org.

Weapons: Force includes 100 M1A1 Abrams tanks, 30 Bradley fighting vehicles, 80 armored personnel carriers, 12 Paladin 155mm howitzers, nine multiple launch rocket systems, 48 armored command vehicles, 30 bulldozers and bridge layers, and 150 trucks and Humvees.

Role: The camp was established after the liberation of Kuwait in 1991. In late 2002 and early 2003, tanks, heavy artillery, bombers and AC-130 gunships were moved here from other regional bases, including those in Saudi Arabia.



A soldier from the 10th Mountain Division provides security at Camp Doha in early 2002.



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The New Iraq

USS Constellation
(CV 64)

Date deployed: February 4, 2003
Destination: Arabian Sea
Type of vessel: Kitty Hawk-class aircraft carrier
Home port: San Diego, California
Total personnel: Approximately 8,000 in battle group
Aircraft: Approximately 75 aircraft in nine squadrons
Armament: Sea Sparrow missile launchers, three 20mm Phalanx rapid-fire close-range gun systems
Speed: 30-plus knots
Power Plant: Eight boilers, four steam turbines
Flight deck: 4.5 acres
Commissioned: October 27, 1961

CARRIER AIRWING 2

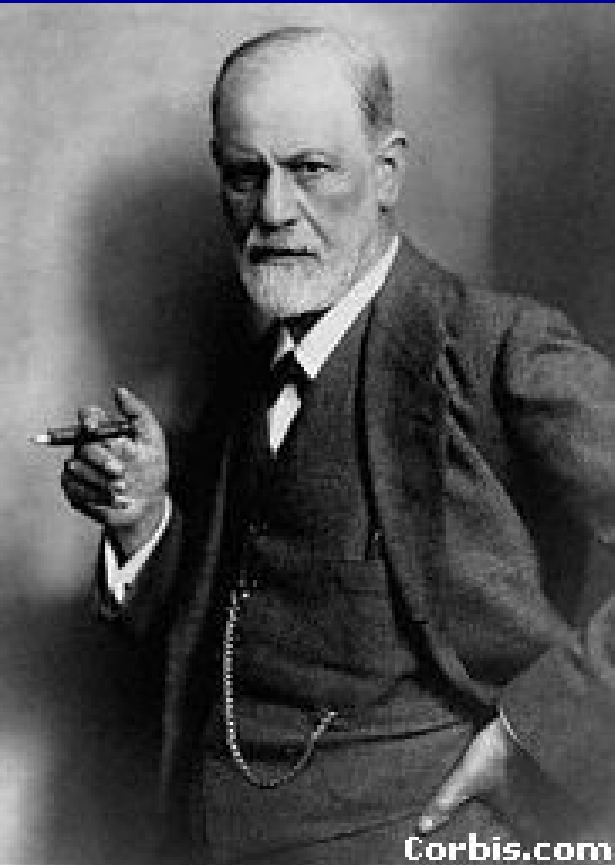
VF-2 Bounty Hunters (10 F-14D Tomcats)
VFA-137 Kestrels (12 F/A-18C Hornets)
VFA-151 Vigilantes (12 F/A-18C Hornets)
VMFA-323 Death Rattlers (12 F/A-18C Hornets)
VAW-116 Sun Kings (4 E-2C Hawkeyes)
VAQ-131 Lancers (4 EA-6B Prowlers)
VS-38 Red Griffins (8 S-3B Vikings)
HS-2 Golden Falcons (2 SH-60F and 6 HH-60H Sea Hawks)
VRC-30 Providers Detachment 2 (2 C-2A Greyhounds)

[Official USS Constellation Web site](#)

The USS Constellation departs San Diego, California, on November 5, 2002.



Psychological Operations



- **The Use of Mass Media to Convey Selected Information and Indicators to Foreign Audiences, to Influence Emotions, Motives, Objective Reasoning and Ultimately the Behavior of the Local Populace Towards US Forces**



“Leaflets had a significant impact On Deserting. Most Desertions were Caused by radio reports of B-52 Bombings.”

-An Iraqi General





MODERN DAY LEAFLETS

English Version

Arabic Version

Front



Back

FOR YOUR SAFETY

**Abandon your weapons systems.
Whether manned or unmanned, these
weapons systems will be destroyed.**

**من أجل الحفاظ على سلامتكم.
تخلّوا عن أجهزتك المسلحة.
ستدمر أجهزة السلاح هذه،
مأهولة كانت أو غير مأهولة.**

Computer Network Operations

A photograph of a person sitting at a desk in a server room, looking at a computer monitor. The room is filled with server racks and other computer equipment. The person is wearing a dark jacket and is seen from the side. The desk has a keyboard and some papers on it. The floor is blue carpeted.

Computer Network Attack: Disrupt, Deny, Degrade, or Destroy Information or Physical Components



Chinese, US Hackers Wage Online War





ASCII

Binary

We Need CAS 01010111011001010010000
00100111001100101011001
01011001000010000001000
01101000001010100110000
11010000101000001101000
01010000011010000101000
00110100001010000011010
00010100000110100001010
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Civil Affairs and Public Affairs

Civil Affairs: Relations Between Both Government and Non-Government Authorities.

*Operation Joint Endeavor
Civil Military Affairs
works wonders for children*

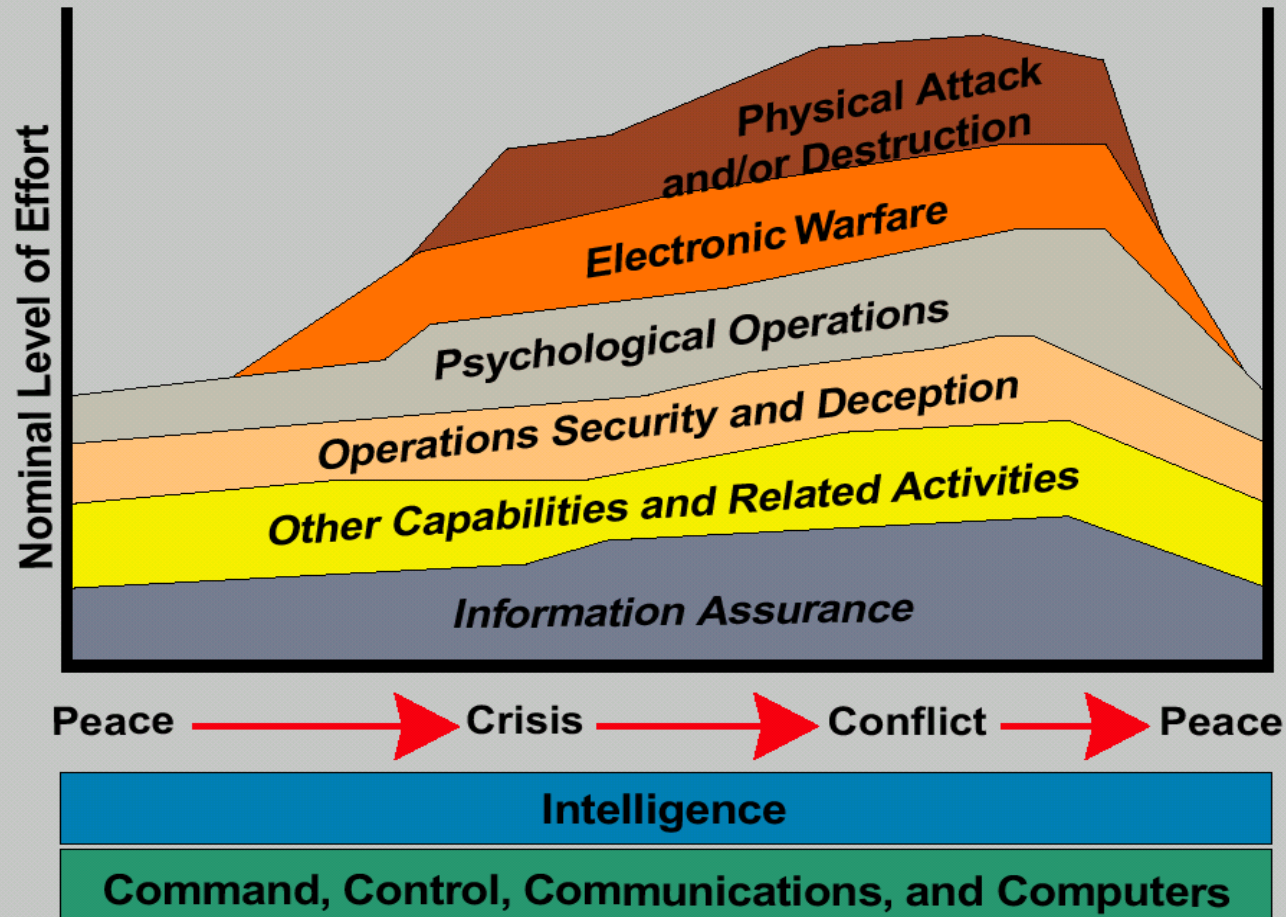


Public Affairs:
Information and Community Relations Activities Directed at Internal and External Public.



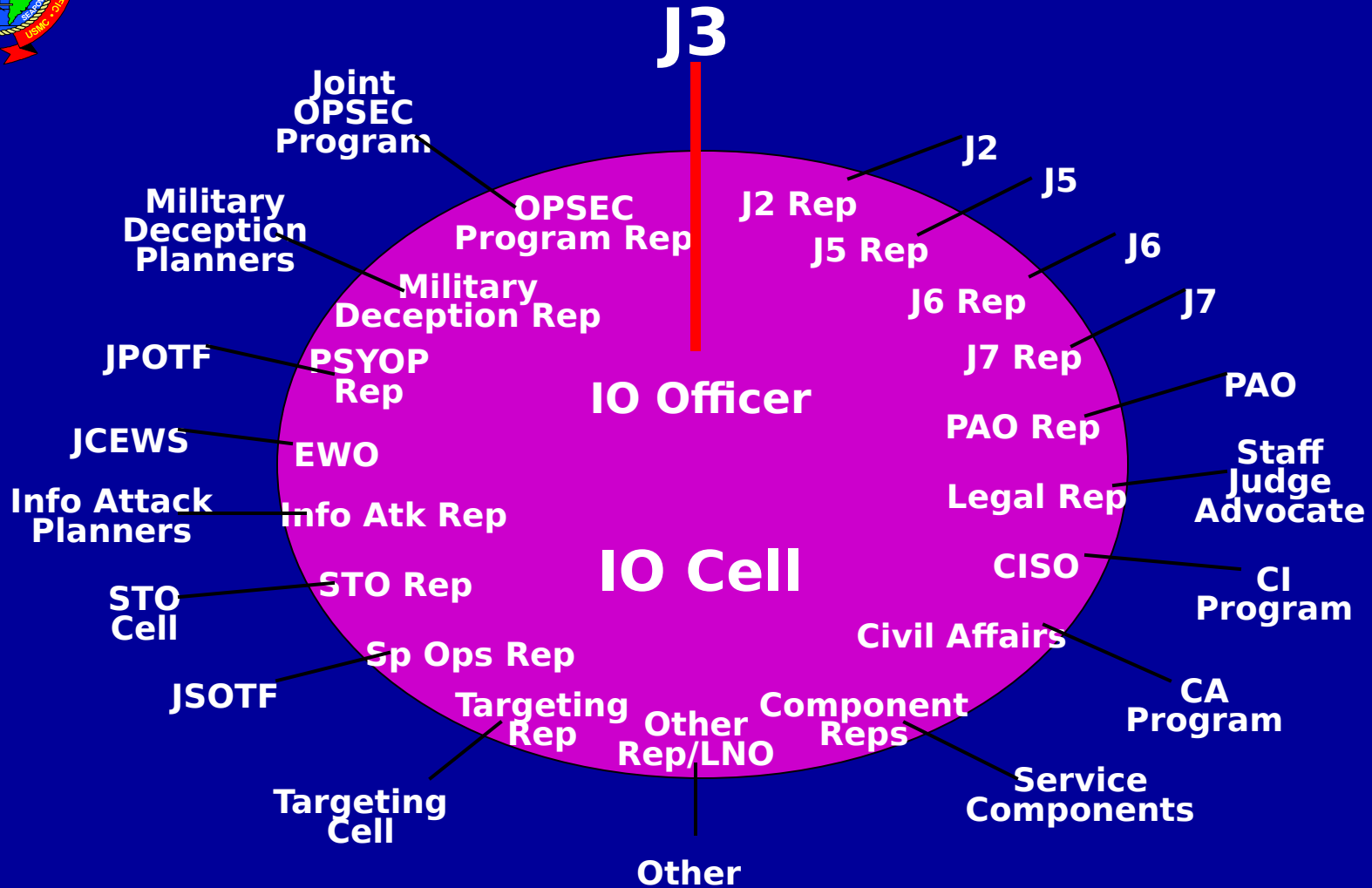


NOTIONAL INFORMATION OPERATIONS ENGAGEMENT TIMELINE





Ideal Joint IO Cell



CISO	Counterintelligence Support Officer	OPSEC	Operations Security
JCEWS	Joint Force Commander's Electronic Warfare Staff	PAO	Public Affairs Office
JPOTF	Joint Psychological Operations Task Force	PSYOP	Psychological Operations
JSOTF	Joint Special Operations Task Force	STO	Special Technical Operations



Responsibilities

- **Command**
 - **Commander Ultimately Responsible for Integrating C2W/IO Into Planning Ops**
- **Individual**
 - ▮ **Within Billet Description**
 - ▮ **OPSEC for Everyone**



Staff Responsibilities

OPERATIONS OFFICER (J-3) - Command IO Officer

- **Intel Officer**
- ▮ **Electronic Warfare Officer**
- ▮ **Communications Officer**
- ▮ **Signals Intelligence Officer**
- ▮ **IO Planning**
- **C2 Attack**
 - ▮ **Identify Enemy C2 Systems**
 - ▮ **Establish Priorities**
 - ▮ **Coordinate Targeting**
 - ▮ **Feedback**
- **C2 Protect**
 - ▮ **All Components Apply**

What's the Value Added?





Questions?